Simplicit\textsuperscript{90Y}™ is a customised, easy-to-use dosimetry software developed for accelerating dosimetry planning and improving \textsuperscript{90Y} SIRT workflow.

Dosimetry planning is standardised and improves consistency, while post-treatment verification allows assessment of the absorbed dose delivered for each patient.

**Key features**

Offers a variety of tools and functions to help improve SIRT dosimetry workflow:

› Multimodal image fusion and registration
› Automated tools for liver segmentation (e.g., on CT)
› Intuitive LSF calculation tools
› Dosimetric estimates with one-compartment, multi-compartment, and voxel-wise techniques
› Pre- and post-treatment dosimetry
› Saves data and generates comprehensive reports
Simplicit⁹⁰Y™ is a comprehensive software solution for dosimetry planning, allowing you to:

**ENHANCE CONSISTENCY AND EFFICIENCY**

Simplicity⁹⁰Y™ allows you to easily incorporate multimodal images with a range of high-performance registration tools, all with one common interface.

Coupled with automated and semi-automated tools for segmentation, this reduces inter-user variability and improves dosimetry consistency and planning confidence.

**ANALYSE WITH EASE**

Manipulate your data and expedite analysis with tools for the following:

- Image-based (2D, 3D) dosimetry assessment
- Rapid LSF calculation
- Advanced image registration quality control tools

**CONFIRM ⁹⁰Y TREATMENT QUALITY**

Simplicit⁹⁰Y™ provides the capability to visualise prospective dose distribution and assess the absorbed dose delivered to the tumour and normal tissue. By allowing for pre- and post-treatment dosimetry, this software can help determine the effectiveness of a patient’s ⁹⁰Y SIRT with confidence.

**PERSONALISE DOSIMETRY**

Simplicit⁹⁰Y™ can be used to interactively tailor the absorbed dose per perfused volume by adjusting the injected activity. The software tools can be customised to a patient’s specific tumour presentation and anatomy.

Images courtesy of Centre Eugène Marquis Rennes.
Simplicit⁹⁰Y™ was developed by Mirada Medical in collaboration with BTG.